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Documentary as indicated. (Information specifically requested.)

RECENTLY PUBLISHED RESEARCH OF THE MICROBIOLOGICAL LABORATORY. LENINGRAD STATE UNIVERSITY, USSR

"Mffeet. of Ethyl Alcohol on Oxidation of Sorbitol to Sorbose in Synthesis of Ascorbic Acid," Z. G. Rasumovskaya, L. N. Belin'kaya, Microbiol Lab, Leningrad State U

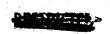
"Mikrobiologiya" Vol 14, No 1, 1945, pp 50-6

Addition of elcohol in amounts of 0.2-1.0% to Acetobacter malanogenum, cultured on yeast water and sorbiol, reduces the yield of sorbose. Alcohol and sorbitol are oxidized simultaneously to AcOH. But while unutilized alcohol is present, the oxidation of sorbitol is retarded. AcOH (0.3-0.%) added to the culture instead of alcohol has the same effect. To prevent this retardation in industrial conditions, it is advisable to sterilize the cuvettes with steam and not with alcohol. The sorbitol preparation used should be entirely slochalfree and well dried.

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